

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

Revision date: 17/02/2023  
Lead Alloy with Tin, Silver and/or Antimony  
Product code: 950103

Page 1 of 12

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Lead Alloy with Tin, Silver and/or Antimony

**Further trade names**

This MSDS covers the following products:

PbSn7  
PbSn8  
PbSn10  
PbSb5  
PbAg2  
PbSn5Ag2  
PbSn5Sb2

Pb &gt;70% Sn 0-30% Ag 0-5% Sb 0-15%

**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture**soft solder  
Anodes for electroplating**Uses advised against**

Any non-intended use.

**1.3. Details of the supplier of the safety data sheet**

Company name:	BALVER ZINN	
	Josef Jost GmbH & Co. KG	
Street:	Blintroper Weg 11	
Place:	D-58802 Balve	
Telephone:	+49 2375 915 - 0	Telefax: +49 2375 915 - 1700
e-mail:	cia@balverzinn.com	
e-mail (Contact person):	SDS@balverzinn.com	
Internet:	www.balverzinn.com	
Responsible Department:	Product Safety Department +49 2375 915-199	
	Only available during office hours.	

**1.4. Emergency telephone number:**+49 700 24 112 122 (Contract-ID: BZW)  
from USA / Canada please call 011 49 700 24 112 112**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No 1272/2008**Repr. 1A; H360FD  
Lact.; H362  
STOT RE 1; H372

Full text of hazard statements: see SECTION 16.

**2.2. Label elements****Regulation (EC) No 1272/2008****Hazard components for labelling**lead massive [particle diameter  $\geq$  1 mm]**Signal word:** Danger

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

Lead Alloy with Tin, Silver and/or Antimony

Revision date: 17/02/2023

Product code: 950103

Page 2 of 12

## Pictograms:



## Hazard statements

- H360FD May damage fertility. May damage the unborn child.  
 H362 May cause harm to breast-fed children.  
 H372 Causes damage to organs through prolonged or repeated exposure.

## Precautionary statements

- P201 Obtain special instructions before use.  
 P260 Do not breathe dust/fume/gas/mist/vapours/spray.  
 P263 Avoid contact during pregnancy and while nursing.  
 P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
 P308+P313 IF exposed or concerned: Get medical advice/attention.  
 P501 Dispose of contents/container to local/regional/national/international regulations.

## Special labelling of certain mixtures

Restricted to professional users.

## Additional advice on labelling

For this product, a hazard label is not required according to section 1.3.4 of Annex I of the CLP regulation.

**2.3. Other hazards**

For information or further instructions, see also section 11 or 12.  
 No risks worthy of mention. Please observe the information on the safety data sheet at all times.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Hazardous components**

CAS No	Chemical name	Quantity
	EC No	Index No
		REACH No
	Classification (Regulation (EC) No 1272/2008)	
7439-92-1	lead massive [particle diameter >= 1 mm]	> 70 %
	231-100-4	082-014-00-7
		01-2119513221-59
	Repr. 1A, Lact., STOT RE 1; H360FD H362 H372	
7440-31-5	tin	0 - 30 %
	231-141-8	01-2119486474-28
7440-36-0	Antimon	0 - 15 %
	231-146-5	01-2119475609-24
7440-22-4	silver	0 - 5 %
	231-131-3	01-2119555669-21

Full text of H and EUH statements: see section 16.

**Specific Conc. Limits, M-factors and ATE**

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
7439-92-1	231-100-4	lead massive [particle diameter >= 1 mm]	> 70 %
		inhalation: LC50 = > 5 mg/l (dusts or mists); dermal: LD50 = > 2000 mg/kg; oral: LD50 = > 2000 mg/kg	

according to Regulation (EC) No 1907/2006

Lead Alloy with Tin, Silver and/or Antimony

Revision date: 17/02/2023

Product code: 950103

Page 3 of 12

**Specific Conc. Limits, M-factors and ATE**

CAS No	EC No	Chemical name	Quantity
		Specific Conc. Limits, M-factors and ATE	
7440-31-5	231-141-8	tin	0 - 30 %
		inhalation: LC50 = (>4,75) mg/l (dusts or mists); dermal: LD50 = >2000 mg/kg; oral: LD50 = >2000 mg/kg	
7440-22-4	231-131-3	silver	0 - 5 %
		inhalation: LC50 = >5,16 mg/l (dusts or mists); dermal: LD50 = >2000 mg/kg; oral: LD50 = >2000 mg/kg	

**Further Information**

Contains the following substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH: lead massive [particle diameter  $\geq$  1 mm] CAS n°: 7439-92-1

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

**After inhalation**

In case of accident by inhalation: remove casualty to fresh air and keep at rest. When in doubt or if symptoms are observed, get medical advice.

**After contact with skin**

No special measures are necessary.

The melted product can cause severe burns. After contact with molten product, cool skin area rapidly with cold water. Burns caused by molten material must be treated clinically.

**After contact with eyes**

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

**After ingestion**

If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention.

**4.2. Most important symptoms and effects, both acute and delayed**

No information available.

**4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Co-ordinate fire-fighting measures to the fire surroundings.  
In case of metal fire: Sand, Extinguishing powder, D-powder

**Unsuitable extinguishing media**

Extinguishing media which must not be used for safety reasons:  
Water, High power water jet., Water spray jet

**5.2. Special hazards arising from the substance or mixture**

Can be released in case of fire: Metal oxide smoke, toxic, Lead oxide

**5.3. Advice for firefighters**

In case of fire and/or explosion do not breathe fumes.  
In case of fire: Wear self-contained breathing apparatus.

**Additional information**

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

Lead Alloy with Tin, Silver and/or Antimony

Revision date: 17/02/2023

Product code: 950103

Page 4 of 12

Collect contaminated fire extinguishing water separately. This must not be discharged into drains.

### SECTION 6: Accidental release measures

#### **6.1. Personal precautions, protective equipment and emergency procedures**

##### **General advice**

Provide adequate ventilation. Avoid dust formation. Do not breathe dust. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

##### **For non-emergency personnel**

Wear personal protection equipment (refer to section 8).

##### **For emergency responders**

No special measures are necessary.

#### **6.2. Environmental precautions**

Product contains heavy metals. Discharge into the environment must be avoided. Special pre-treatment is necessary.

#### **6.3. Methods and material for containment and cleaning up**

##### **For containment**

Take up mechanically.

Treat the recovered material as prescribed in the section on waste disposal.

##### **For cleaning up**

Clean contaminated objects and areas thoroughly observing environmental regulations.

##### **Other information**

Take up mechanically, placing in appropriate containers for disposal.

#### **6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

### SECTION 7: Handling and storage

#### **7.1. Precautions for safe handling**

##### **Advice on safe handling**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Avoid dust formation.

Do not inhale dust/fumes.

Wear suitable protective clothing. (See section 8.)

##### **Advice on protection against fire and explosion**

No special fire protection measures are necessary.

##### **Advice on general occupational hygiene**

Keep away from food, drink and animal feedingstuffs. Wash hands before breaks and after work. Do not eat, drink, smoke or sneeze at the workplace.

##### **Further information on handling**

General protection and hygiene measures: See section 8.

#### **7.2. Conditions for safe storage, including any incompatibilities**

##### **Requirements for storage rooms and vessels**

No special measures are necessary.

##### **Hints on joint storage**

Do not store together with: Explosives, Radioactive substances, Infectious substances.

##### **Further information on storage conditions**

Keep the packing dry and well sealed to prevent contamination and absorption of humidity.

Recommended storage temperature: 20°C

Protect against: Frost, UV-radiation/sunlight, Heat, moisture.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

Lead Alloy with Tin, Silver and/or Antimony

Revision date: 17/02/2023

Product code: 950103

Page 5 of 12

**7.3. Specific end use(s)**

See section 1.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters****Occupational exposure limits**

CAS No	Substance	ppm	mg/m <sup>3</sup>	fib/cm <sup>3</sup>	Category	Origin
7440-36-0	Antimony	-	0.5		TWA (8 h)	
7439-92-1	Lead	-	0.15		TWA (8 h)	
7440-22-4	Silver (metallic)	-	0.1		TWA (8 h)	
7440-31-5	Tin (Metal)	-	2		TWA (8 h)	

**Biological limit values**

CAS No	Substance	Parameter	Value	Test material	Sampling time
7439-92-1	Lead	Lead	70 µg/100 ml	Blood	Not critical

**DNEL/DMEL values**

CAS No	Substance	DNEL type	Exposure route	Effect	Value
7440-31-5	tin				
		Consumer DNEL, long-term	inhalation	systemic	3,476 mg/m <sup>3</sup>
		Consumer DNEL, acute	inhalation	systemic	3,476 mg/m <sup>3</sup>
		Worker DNEL, long-term	inhalation	systemic	11,75 mg/m <sup>3</sup>
		Worker DNEL, acute	inhalation	systemic	11,75 mg/m <sup>3</sup>
		Consumer DNEL, long-term	dermal	systemic	80 mg/kg bw/day
		Worker DNEL, acute	dermal	systemic	133,3 mg/kg bw/day
		Consumer DNEL, acute	dermal	systemic	80 mg/kg bw/day
		Worker DNEL, long-term	dermal	systemic	133,3 mg/kg bw/day
		Consumer DNEL, acute	oral	systemic	80 mg/kg bw/day
		Consumer DNEL, long-term	oral	systemic	80 mg/kg bw/day
7440-22-4	silver				
		Worker DNEL, long-term	inhalation	systemic	0,1 mg/m <sup>3</sup>
		Consumer DNEL, long-term	inhalation	systemic	0,04 mg/m <sup>3</sup>
		Consumer DNEL, long-term	oral	systemic	1,2 mg/kg bw/day

**PNEC values**

CAS No	Substance	Environmental compartment	Value
7439-92-1	lead massive [particle diameter >= 1 µm]		
		Freshwater	0,0024 mg/l
		Marine water	0,0033 mg/l
		Freshwater sediment	186 mg/kg
		Marine sediment	168 mg/kg
		Secondary poisoning	10,9 mg/kg
		Micro-organisms in sewage treatment plants (STP)	0,1 mg/l
		Soil	212 mg/kg
7440-22-4	silver		
		Freshwater	0,00004 mg/l
		Marine water	0,00086 mg/l
		Micro-organisms in sewage treatment plants (STP)	0,025 mg/l
		Freshwater sediment	438,13 mg/kg

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

Lead Alloy with Tin, Silver and/or Antimony

Revision date: 17/02/2023

Product code: 950103

Page 6 of 12

**PNEC values**

CAS No	Substance	
	Environmental compartment	Value
	Marine sediment	438,13 mg/kg
	Soil	1,41 mg/kg

**8.2. Exposure controls****Appropriate engineering controls**

If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe dust. Provide adequate ventilation as well as local exhaustion at critical locations.  
Process within closed systems.

**Individual protection measures, such as personal protective equipment****Eye/face protection**

Wear eye/face protection.

**Hand protection**

Wear suitable gloves.

The selected protective gloves have to satisfy the specifications of EU Directive EC/2016/425 and the standard EN 374 derived from it.

In the case of wanting to use the gloves again, clean them before taking off and air them well. Before using check leak tightness / impermeability.

**Skin protection**

Protective clothing.

**Respiratory protection**

With correct and proper use, and under normal conditions, breathing protection is not required.

Provide adequate ventilation as well as local exhaustion at critical locations.

Respiratory protection necessary at: Exceeding exposure limit values smoke generation Insufficient ventilation

Suitable respiratory protective equipment: Particle filter device (EN 143) Type: P3

The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

**Environmental exposure controls**

This material and its container must be disposed of in a safe way.

**SECTION 9: Physical and chemical properties****9.1. Information on basic physical and chemical properties**

Physical state:	solid
Colour:	metallic, grey
Odour:	odourless

Melting point/freezing point:	Pb90Sn10: 268-302
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Boiling point or initial boiling point and boiling range:	
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Flammability

Solid/liquid:	not determined
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Lower explosion limits:	not determined
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Upper explosion limits:	not determined
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Flash point:	not determined
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Auto-ignition temperature:	not determined
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**Test method**

N/A
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N/A
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## Safety Data Sheet

according to Regulation (EC) No 1907/2006

Lead Alloy with Tin, Silver and/or Antimony

Revision date: 17/02/2023

Product code: 950103

Page 7 of 12

Decomposition temperature:	not determined
pH-Value:	not applicable
Viscosity / kinematic:	not determined
Water solubility:	The study does not need to be conducted because the substance is known to be insoluble in water.

## Solubility in other solvents

The study does not need to be conducted because the substance is known to be insoluble in water.

Vapour pressure:	not determined
Density:	Pb90Sn10: 10,9 N/A
Bulk density:	not determined

**9.2. Other information****Information with regard to physical hazard classes**

## Explosive properties

The product is not: Explosive

## Self-ignition temperature

Solid: not determined

## Oxidizing properties

none

**Other safety characteristics**

Solid content:	not determined
Sublimation point:	not determined
Softening point:	not determined
Viscosity / dynamic:	not determined

**SECTION 10: Stability and reactivity****10.1. Reactivity**

No information available.

**10.2. Chemical stability**

The product is chemically stable under recommended conditions of storage, use and temperature.

**10.3. Possibility of hazardous reactions**

No known hazardous reactions.

**10.4. Conditions to avoid**

No information available.

**10.5. Incompatible materials**

No information available.

**10.6. Hazardous decomposition products**

Can be released in case of fire: Metal oxide smoke, toxic, Lead oxide

**SECTION 11: Toxicological information****11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Toxicokinetics, metabolism and distribution**

No information available.

**Acute toxicity**

Based on available data, the classification criteria are not met.

according to Regulation (EC) No 1907/2006

Lead Alloy with Tin, Silver and/or Antimony

Revision date: 17/02/2023

Product code: 950103

Page 8 of 12

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
7439-92-1	lead massive [particle diameter $\geq$ 1 mm]				
	oral	LD50 > 2000 mg/kg	Rat	Study report (2003)	OECD Guideline 423
	dermal	LD50 > 2000 mg/kg	Rat	Study report (2003)	OECD Guideline 402
	inhalation (4 h) dust/mist	LC50 > 5 mg/l			
7440-31-5	tin				
	oral	LD50 >2000 mg/kg	Rat	ECHA Dossier	
	dermal	LD50 >2000 mg/kg	Rat	ECHA Dossier	
	inhalation (4 h) dust/mist	LC50 (>4,75) mg/l	Rat	ECHA Dossier	
7440-22-4	silver				
	oral	LD50 >2000 mg/kg	Rat	ECHA Dossier	
	dermal	LD50 >2000 mg/kg	Rat	ECHA Dossier	
	inhalation (4 h) dust/mist	LC50 >5,16 mg/l	Rat	ECHA Dossier	

**Irritation and corrosivity**

Based on available data, the classification criteria are not met.

**Sensitising effects**

Based on available data, the classification criteria are not met.

**Carcinogenic/mutagenic/toxic effects for reproduction**May damage fertility. May damage the unborn child. (lead massive [particle diameter  $\geq$  1 mm])May cause harm to breast-fed children. (lead massive [particle diameter  $\geq$  1 mm])

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

**STOT-single exposure**

Based on available data, the classification criteria are not met.

**STOT-repeated exposure**Causes damage to organs through prolonged or repeated exposure. (lead massive [particle diameter  $\geq$  1 mm])**Aspiration hazard**

Based on available data, the classification criteria are not met.

**Specific effects in experiment on an animal**

No data available

**SECTION 12: Ecological information****12.1. Toxicity**

No data available



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

Lead Alloy with Tin, Silver and/or Antimony

Revision date: 17/02/2023

Product code: 950103

Page 9 of 12

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h][d]	Species	Source	Method
7439-92-1	lead massive [particle diameter >= 1 mm]					
	Acute fish toxicity	LC50 1,17 mg/l	96 h	Oncorhynchus mykiss	Publication (1976)	Acute bioassays
	Acute algae toxicity	ErC50 0,123 mg/l	72 h	Raphidocelis subcapitata	Publication (2014)	OECD Guideline 201
	Acute crustacea toxicity	EC50 0,59683 mg/l	48 h	Ceriodaphnia dubia	Study report (2010)	other: USEP
	Fish toxicity	NOEC 0,0293 mg/l	30 d	Pimephales promelas	Study report (2010)	other: USEPA methods for acute and chron
	Crustacea toxicity	NOEC 0,1538 mg/l	25 d	Alona rectangula	Ecotoxicology, 15: 425-436 (2006)	chronic test with lead to cladocerans

**12.2. Persistence and degradability**

The methods for determining the biological degradability are not applicable to inorganic substances.

**12.3. Bioaccumulative potential**

No indication of bioaccumulation potential.

**BCF**

CAS No	Chemical name	BCF	Species	Source
7439-92-1	lead massive [particle diameter >= 1 mm]	7400	Daphnia magna	Ecotoxicology and En

**12.4. Mobility in soil**

No data available

**12.5. Results of PBT and vPvB assessment**

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

The aforementioned statement applies to substances contained in the product with a minimum content of 0.1%.

**12.6. Endocrine disrupting properties**

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

**12.7. Other adverse effects**

Product contains heavy metals. Discharge into the environment must be avoided. Special pre-treatment is necessary. Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

Dispose of waste according to applicable legislation. Consult the local waste disposal expert about waste disposal. Non-contaminated packages may be recycled. According to (EWC) European Waste Catalogue, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

Control report for waste code/ waste marking according to (EWC) European Waste Catalogue:

**List of Wastes Code - residues/unused products**

160304 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; inorganic wastes other than those mentioned in 16 03 03

**List of Wastes Code - used product**

160303 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; off-specification batches and unused products; inorganic wastes containing hazardous substances; hazardous waste

**List of Wastes Code - contaminated packaging**

150106 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

Lead Alloy with Tin, Silver and/or Antimony

Revision date: 17/02/2023

Product code: 950103

Page 10 of 12

PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); mixed packaging

**Contaminated packaging**

Handle contaminated packages in the same way as the substance itself.

**SECTION 14: Transport information****Land transport (ADR/RID)**

**14.1. UN number or ID number:** No dangerous good in sense of this transport regulation.

**Inland waterways transport (ADN)**

**14.1. UN number or ID number:** No dangerous good in sense of this transport regulation.

**Marine transport (IMDG)**

**14.1. UN number or ID number:** No dangerous good in sense of this transport regulation.

**Air transport (ICAO-TI/IATA-DGR)**

**14.1. UN number or ID number:** No dangerous good in sense of this transport regulation.

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: No

**14.6. Special precautions for user**

refer to chapter 6 - 8

**14.7. Maritime transport in bulk according to IMO instruments**

not applicable

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

Authorisations (REACH, annex XIV):

Substances of very high concern, SVHC (REACH, article 59):  
lead massive [particle diameter  $\geq 1$  mm]

Restrictions on use (REACH, annex XVII):

Entry 30, Entry 75

Information according to 2012/18/EU Not subject to 2012/18/EU (SEVESO III)  
(SEVESO III):

**Additional information**

Safety Data Sheet according to Regulation (EC) No. 1907/2006 (amended by Regulation (EU) No 2020/878)  
The mixture is classified as hazardous according to regulation (EC) No 1272/2008 [CLP].  
REACH 1907/2006 Appendix XVII, No (mixture): 63

**National regulatory information**

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers. Observe employment restrictions for women of child-bearing age.

Water hazard class (D):

1 - slightly hazardous to water

**Additional information**

Observe technical data sheet.

**15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

**SECTION 16: Other information****Changes**

This data sheet contains changes from the previous version in section(s): 6.

## Safety Data Sheet

according to Regulation (EC) No 1907/2006

Lead Alloy with Tin, Silver and/or Antimony

Revision date: 17/02/2023

Product code: 950103

Page 11 of 12

Rev. 1.0; 06.05.2015: Initial release  
 Rev. 1.1; 23.11.2016: Indication of changes - chapter: 1, 2, 3, 6, 7, 8, 15, 16.  
 Rev. 2.0; 17.04.2018: Changes in chapter: 2, 3, 15.  
 Rev. 2.1; 03.07.2018: Changes in chapter: 3.  
 Rev. 2.2; 25.09.2018: Changes in chapter: 2.  
 Rev. 3.0; 17.02.2023/JTH: Changes in chapter: 1 - 16.

**Abbreviations and acronyms**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
 CAS: Chemical Abstracts Service  
 CLP: Classification, Labelling and Packaging of substances and mixtures  
 DNEL: Derived No Effect Level  
 d: day(s)  
 EINECS: European INventory of Existing Commercial chemical Substances  
 ELINCS: European List of Notified Chemical Substances  
 ECHA: European Chemicals Agency  
 EWC: European Waste Catalogue  
 IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER  
 IMDG: International Maritime Code for Dangerous Goods  
 IATA: International Air Transport Association  
 IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)  
 ICAO: International Civil Aviation Organization  
 ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)  
 GHS: Globally Harmonized System of Classification and Labelling of Chemicals  
 GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)  
 h: hour  
 LOAEL: Lowest observed adverse effect level  
 LOAEC: Lowest observed adverse effect concentration  
 LC50: Lethal concentration, 50 percent  
 LD50: Lethal dose, 50 percent  
 NOAEL: No observed adverse effect level  
 NOAEC: No observed adverse effect concentration  
 NLP: No-Longer Polymers  
 N/A: not applicable  
 OECD: Organisation for Economic Co-operation and Development  
 PNEC: predicted no effect concentration  
 PBT: Persistent bioaccumulative toxic  
 RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail )  
 REACH: Registration, Evaluation, Authorisation of Chemicals  
 SVHC: substance of very high concern  
 TRGS: Technische Regeln für Gefahrstoffe  
 UN: United Nations  
 VOC: Volatile Organic Compounds

**Classification for mixtures and used evaluation method according to Regulation (EC) No 1272/2008 [CLP]**

Classification	Classification procedure
Repr. 1A; H360FD	Calculation method
Lact.; H362	Calculation method
STOT RE 1; H372	Calculation method

**Relevant H and EUH statements (number and full text)**

H360FD May damage fertility. May damage the unborn child.  
 H362 May cause harm to breast-fed children.  
 H372 Causes damage to organs through prolonged or repeated exposure.

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

Lead Alloy with Tin, Silver and/or Antimony

Revision date: 17/02/2023

Product code: 950103

Page 12 of 12

**Further Information**

Classification according to Regulation (EC) No 1272/2008 [CLP] - Classification procedure:

Health hazards: Calculation method.

Environmental hazards: Calculation method.

Physical hazards: On basis of test data and / or calculated and / or estimated.

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*